AUTODOC CLUB

How to change right engine mounts on **BMW 7 (E38)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

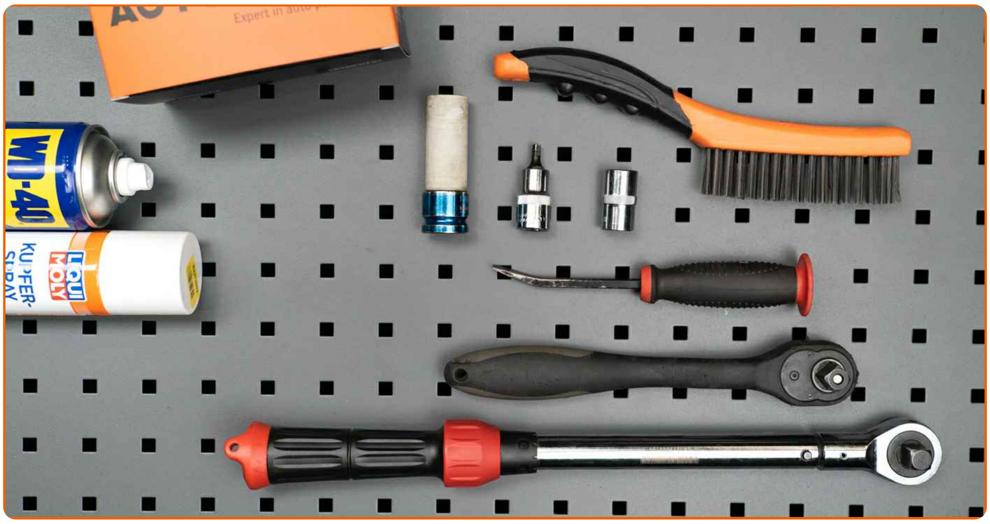
Important!

This replacement procedure can be used for:
BMW 7 (E38) 730i / iL 3.0, BMW 7 (E38) 740i / iL 4.0, BMW 7 (E38) 740i / iL 4.4, BMW 7 (E38) 735i / iL 3.5, BMW 7 (E38) 725tds 2.5, BMW 7 (E38) 730d 2.9

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 3 Touring (E46) 330d 3.0

REPLACEMENT: ENGINE MOUNTS – BMW 7 (E38). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Copper grease
- HEX bit No.H5.
- Drive socket # 16
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Fender cover
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: engine mounts – BMW 7 (E38). AUTODOC experts recommend:

- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Secure the wheels with chocks.



4 Loosen the wheel mounting bolts. Use wheel impact socket #17.



5 Lift the car using a jack or place it over an inspection pit.

6 Unscrew the wheel bolts.



Replacement: engine mounts – BMW 7 (E38). AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

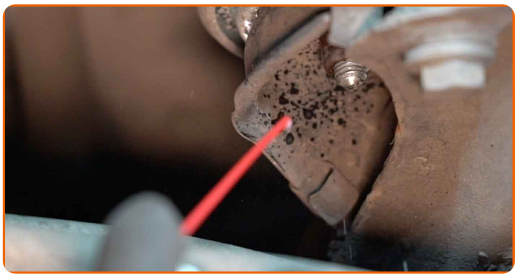
7 Remove the wheel.



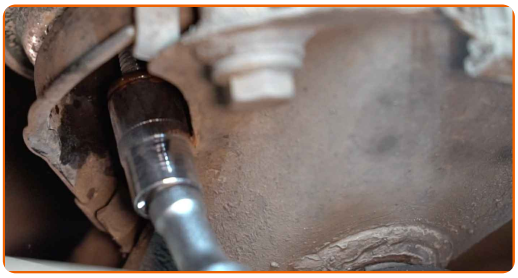
8 Detach the vacuum hose from the engine mount.



9 Treat the lower fastener of the engine mount. Use WD-40 spray.



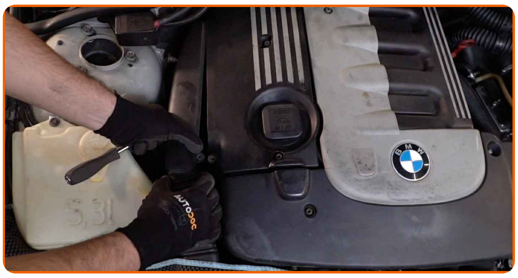
10 Unscrew the lower fastener of the engine mount. Use a drive socket #16.



11 Loosen the air intake fastening. Use HEX No.H5. Use a ratchet wrench.



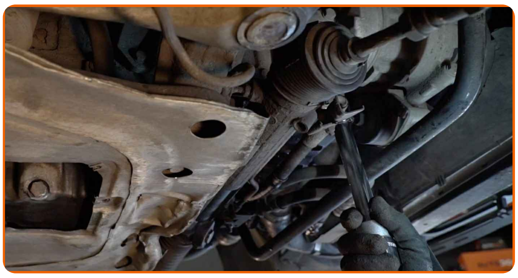
12 Detach the air duct housing from the air filter housing.



13 Unscrew the upper fastener of the engine mount. Use a drive socket #16. Use a ratchet wrench.



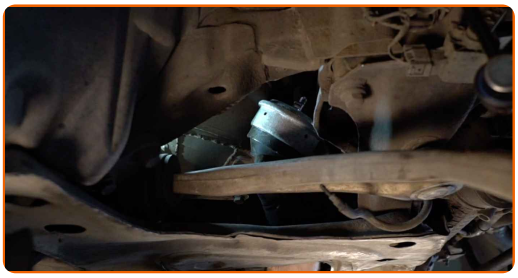
14 Support the engine in the oil pan area. Use a hydraulic transmission jack.



Replacement: engine mounts – BMW 7 (E38). Tip:

- Make sure that the engine is supported.

15 Remove the engine mount. Use a crowbar.



Replacement: engine mounts – BMW 7 (E38). AUTODOC experts recommend:

- Carefully check the other engine mounts and replace them if necessary.

16 Install the engine mount to its mounting seat. Use a crowbar.



17 Remove the support from under the engine.

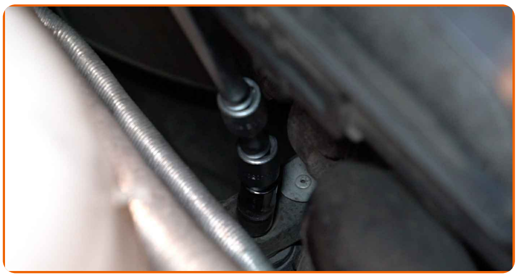


AUTODOC recommends:

- Replacement: engine mounts – BMW 7 (E38). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

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Tighten the upper fastener of the engine mount. Use a drive socket #16. Use a torque wrench. Tighten it to 65 Nm torque.



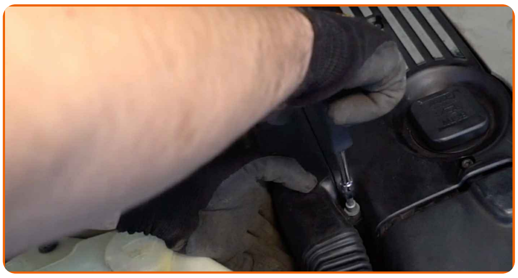
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Install the air duct housing.



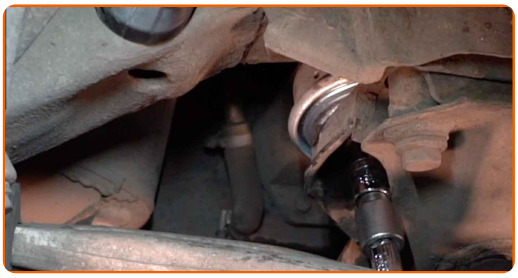
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Secure the fastener of the air intake duct. Use HEX No.H5. Use a ratchet wrench.



21

Tighten the lower fastener of the engine mount. Use a drive socket #16. Use a torque wrench. Tighten it to 65 Nm torque.



22 Attach the vacuum hose to the engine mount.



23 Treat the engine mount fasteners. Use copper grease.



24 Remove the fender protection cover.



25 Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



26 Install the wheel.



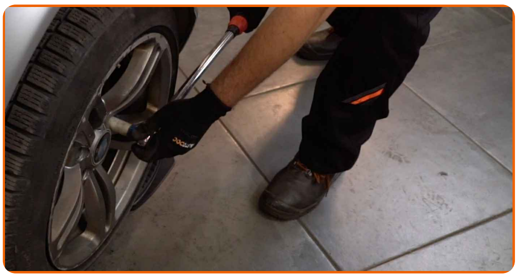
AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

27 Screw in the wheel bolts. Use wheel impact socket #17.



28 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



29 Remove the jacks and chocks.



30 Close the hood.

WELL DONE!

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